

Title (en)  
BATTERY CABINET WITH FLAME PROTECTION/MANAGEMENT CONSTRUCTION

Title (de)  
BATTERIESCHRANK MIT FLAMMSCHUTZ-/MANAGEMENTKONSTRUKTION

Title (fr)  
ARMOIRE DE BATTERIE PRÉSENTANT UNE CONSTRUCTION DE GESTION DES FLAMMES ET DE PROTECTION CONTRE LES FLAMMES

Publication  
**EP 4197054 A1 20230621 (EN)**

Application  
**EP 21766272 A 20210811**

Priority  

- US 202063064204 P 20200811
- US 202117398662 A 20210810
- US 2021045500 W 20210811

Abstract (en)  
[origin: US2022052416A1] In one aspect the present disclosure relates to a battery cabinet apparatus having flame and noxious gas management capability. The apparatus has a plurality of parallel arranged vertical frame elements, a plurality of spaced apart shelves disposed within an interior area of the apparatus, and a plurality of louver panels. The louver panels are arranged one above another and coupled to a first pair of the vertical frame elements. Each of the louver panels has an upper portion and a lower portion, where the lower portion, angles inwardly, relative to the interior area of the apparatus. In this manner the upper portion of a first one of the louver panels cooperates with the lower portion of a second one of said louver panels disposed immediately above the first one of the louver panels to form an opening for exhausting at least one of flames or noxious gasses that develop within the apparatus.

IPC 8 full level  
**H01M 50/251** (2021.01); **H01M 50/30** (2021.01); **H01M 50/35** (2021.01); **H01M 50/383** (2021.01); **H05K 5/00** (2006.01)

CPC (source: EP US)  
**H01M 50/209** (2021.01 - US); **H01M 50/251** (2021.01 - EP US); **H01M 50/30** (2021.01 - EP); **H01M 50/383** (2021.01 - EP US); **H01M 50/394** (2021.01 - US); **H01M 2200/00** (2013.01 - US); **H01M 2220/10** (2013.01 - US); **Y02E 60/10** (2013.01 - EP)

Citation (search report)  
See references of WO 2022035938A1

Designated contracting state (EPC)  
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Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
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**US 202117398662 A 20210810**; CN 202180055344 A 20210811; EP 21766272 A 20210811; US 2021045500 W 20210811